Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name Of Work:- Improvements Of Roads And Foothpath In Mallasandra Ward No.13 Shettyhalli Sub Division

Sl No	Description of Items	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Est.Cost / Rate in Rs.	1500000.00 / Amount in Rs.
1	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.**Page No. 142/ Item No. 19.1/ PWD SR 2018-19**								
	For Shettyhalli Main road LHS CC Patch		1	383.00	1.20	0.30	137.88		
	Near Udupi Hotel Pipe line road (For Desilt)		1	58.00	0.60	0.45	15.66		
	Near Udupi Hotel Pipe line road (For kerb)		1	58.00	0.45	0.30	7.83		
	Pipeline road Pump House Back side passage (For CC Flooring)		1	10.00	1.50	0.30	4.50		
	For Pump house (SSM)		1	30.00	1.00	1.00	30.00		
		Cum					195.87	207.60	40662.61
	Basic Rate	130.00							
	Loading and unloading charges	57.00							
	lead for earth 5 km	12.80							
	Area Weightage 6%	7.80							
	Grand Total	207.60							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. **(P.No-222,I No-27.18 PWD SR 2018-19)**								
	For Shettyhalli Main road LHS CC Patch		1	383.00	1.20	0.15	68.94		
	Pipeline Road Pump House Back side passage		1	10.00	1.50	0.15	2.25		
	For Pump house (SSM)		1	30.00	1.00	0.15	4.50		
		Cùm					75.69	5509.33	417000.94
	Basic Rate	5105.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	5197.48							
	Area Weightage 6%	311.85							
	Grand Total	5509.33							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm **(I No-37.59.2,P No-271 pwd 2018-19)**								
	Near Udupi Hotel Pipe line road (For Vent Portion)		1	58.00	0.60	0.15	5.22		
	Near Udupi Hotel Pipe line road (For Deck Slab)		1	58.00	1.00	0.23	13.34		
							18.56	7189.42	133435.60
		Cum							
	Basic Rate =	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123 =	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate =	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total =	6782.47							
	Area Weightage 6% =	406.95							
	Grand Total =	7189.42							
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 **(I No-29.29.2,P No-239 PWD SR 2018-19)**								
	Considering steel For Slab 65kg/Cum		1	13.34	0.065	--	0.87		
		Tonne					0.87	73992.24	64158.67

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Sl No	Description of Items	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	Basic Rate =	69804.00							
	Area Weightage 6% =	4188.24							
	Grand Total =	73992.24							
5	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) **(Page No. 176.tem No.22.6.1,PW,P & IWTD SR 2018-19)**									
	For Shettyhalli Main road LHS CC Patch		1	383.00	1.20	0.15	68.94		
	For pump house back side passage		1	10.00	1.50	0.15	2.25		
		Cum					71.19	5354.02	381152.81
	Basic Rate =	4916.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123 =	-1766.27	Note:- (360*490.63/100)=1766.27						
	Add Cement cost as per Issue rate =	1901.23	Note:- (360*264.06/50)=1901.23						
	Sub Total =	5050.96							
	Area Weightage 6% =	303.06							
	Grand Total =	5354.02							
6	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (Page No. 176.tem No.22.7,PW,P & IWTD SR 2018-19)								
	For Shettyhalli Main road LHS CC Patch		1	383.00	1.20		459.60		
	For pump house back side passage		1	10.00	1.50		15.00		
		Sqm					474.60	72.08	34209.17
	Basic Rate =	68.00							
	Area Weightage 6% =	4.08							
	Grand Total =	72.08							
7	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No.25, Item No.5.6 PWD SR 2018-19)**								
	Below the ground level		1	30.00	0.80	0.75	18.00		
		Cum					18.00	4983.92	89710.64
	Basic Rate	4596.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-245.32	Note:- -(0.20*1*1=0.2 Cum/Sqm) (0.20*250*490.63/100)=245.32						
	Add Cement cost as per Issue rate	264.06	Note:- (0.2*250*264.06/50)=264.06						
	Sub-Total	4614.75							
	Add Area Weightage 8%	369.18							
	Grand Total	4983.92							
8	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, HOM, scaffolding, curing complete as per specifications. KBS 5.1.13 **(Page No.25, Item No.5.9 PWD SR 2018-19)**								
	Above the ground level		1	30.00	0.60	0.45	8.10		
		Cum					8.10	5936.82	48088.27
	Basic Rate	5483.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-183.99	Note:- -(0.15*1*1=0.15 Cum/Sqm) (0.15*250*490.63/100)=183.99						
	Add Cement cost as per Issue rate	198.05	Note:- (0.15*250*264.06/50)=198.05						
	Sub-Total	5497.06							
	Add Area Weightage 8%	439.76							
	Grand Total	5936.82							
9	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:4 **(Page No.256, Item No.34.13.1 PWD SR 2018-19)**								

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Sl No	Description of Items	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	For Pump house (SSM)		2	30.00		0.45	27.00		4193.91
		Sqm					27.00	155.33	
	Basic Rate	140.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-50.04	Note:- (0.02*1*1=0.02Cum/Sqm) (0.02*510*490.63/100)=50.04						
	Add Cement cost as per Issue rate	53.87	Note:- (0.02*510*264.06/50)=53.87						
	Sub-Total	143.82							
	Add Area Weightage 8%	11.51							
	Total	155.33							
10	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.**(Page No. 13, It No. 4.5 of KPWD S.R 2018-19)**								
	For Pump house (SSM) coping		1	30.00	0.60	0.10	1.80		10576.27
		Cum					1.80	5875.71	
	Basic Rate	5328.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- - (300*490.63/100)= -1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub-Total	5440.47							
	Add Area Weightage 8%	435.24							
	Grand Total	5875.71							
11	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.**(Page No.27/ Item No.5.29.1/ PWD SR 2018-19)**								
	Near Udupi Hotel Pipe line road (For Kerb Stone)						58.00		
		No's					130.00	481.66	62615.47
	Basic Rate	450.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-57.50	Note:- (11.72*490.63/100)= 57.50						
	Add Cement cost as per Issue rate	61.90	Note:- (11.72*264.06/50)= 61.90						
	Sub Total	454.39							
	Area Weightage 6%	27.26							
	Grand Total	481.66							
12	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **(Page No.120, Item No.15.8 Of KPWD S.R 2018-19)**								
	Near Udupi Hotel Pipe line road (For Kerb Stone painting)		2	58.00		0.40	46.40		1819.81
		Sqm					46.40	39.22	
	Basic Rate	37.00							
	Area Weightage 6%	2.22							
	Grand Total	39.22							
13	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications **(I No-24.1, P No-180 KPWD S.R 2018-19)**								
	Near Udupi Hotel Pipe line road (For Kerb Stone painting)	Qty as per vide item no.12					46.40		
		Sqm					46.40	84.80	3934.72
	Basic Rate	80.00							
	Area Weightage 6%	4.80							
	Grand Total	84.80							
								Total construction cost	1291558.90
								GST Charges 12%	154987.07
								(KRIDL Charges 3% + Labour Cess 1%) = 4 %	51662.36
								Sub Total	1498208.32

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Sl.		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
								Sub Total	1496484.76
								Miscellaneous & Rounding Off	3515.24
								Grand Total	1500000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2018-19
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub - Division
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ನಂ. EE/DD/AS/19/ದಿನಾಂಕ: 18-19 24/11/18
ರೂ. Rs. 15.00 Lakhs (Fifteen Lakh only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. EE/DD/AS/08/ದಿನಾಂಕ: 18-19 JH/11/18
ರೂ. Rs. 15.00 Lakh (Fifteen Lakh only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾತ್ಕಾಲಿಕ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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